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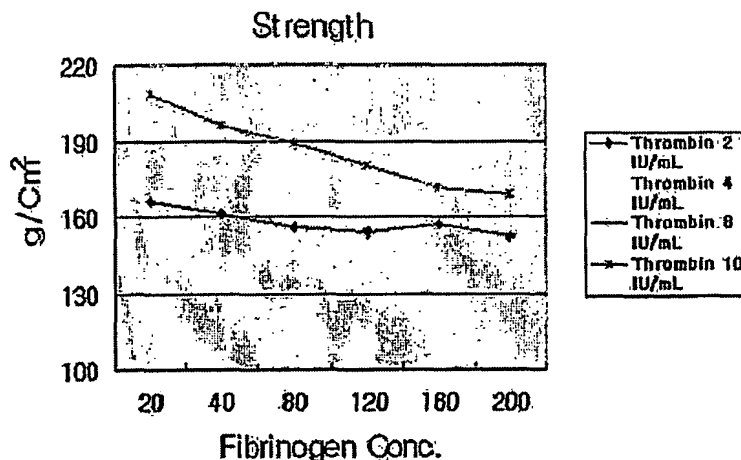
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(54) Title: A COMPOSITION FOR CARTILAGE THERAPEUTICS AND USING METHOD THEREOF



(57) Abstract: The present invention relates to a cartilage therapeutic composition, capable of being clinically transplanted to articulation (knee joint) or ankle joints, in particular clinically significant, symptomatic cartilage defects of the femoral condyle (medial, lateral, or trochlear) and bone cartilage defects of the talus (anklebone) in human or animal hosts, and a method of using the same. The cartilage therapeutic composition in accordance with the present invention comprises a mixture of components of chondrocytes isolated and expanded or differentiated from a host such as human or animal, and thrombin and a fibrinogen matrix containing fibrinogen. Further, provided is a method of using the cartilage therapeutic composition such that a mixture of thrombin, chondrocyte components and a fibrinogen matrix is injected to a cartilage defect region followed by solidification therein.

Therefore, in accordance with the present invention, it is possible to promote rapid and effective regeneration of cartilage without imposing excessive burden associated with a surgical operation, and to realize a safe and simplified process by using an arthroscope for transplantation.